



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141512

Mode: Highway

Status: Submitted

I-85

From/Cross Street: Exit 17 (US 321)

Specific Improvement Type: 1 - Widen Existing Roadway

To: Exit 10 (US 74)

Project Category: Statewide Mobility

Length: 6.92

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$124,485,000

Description:

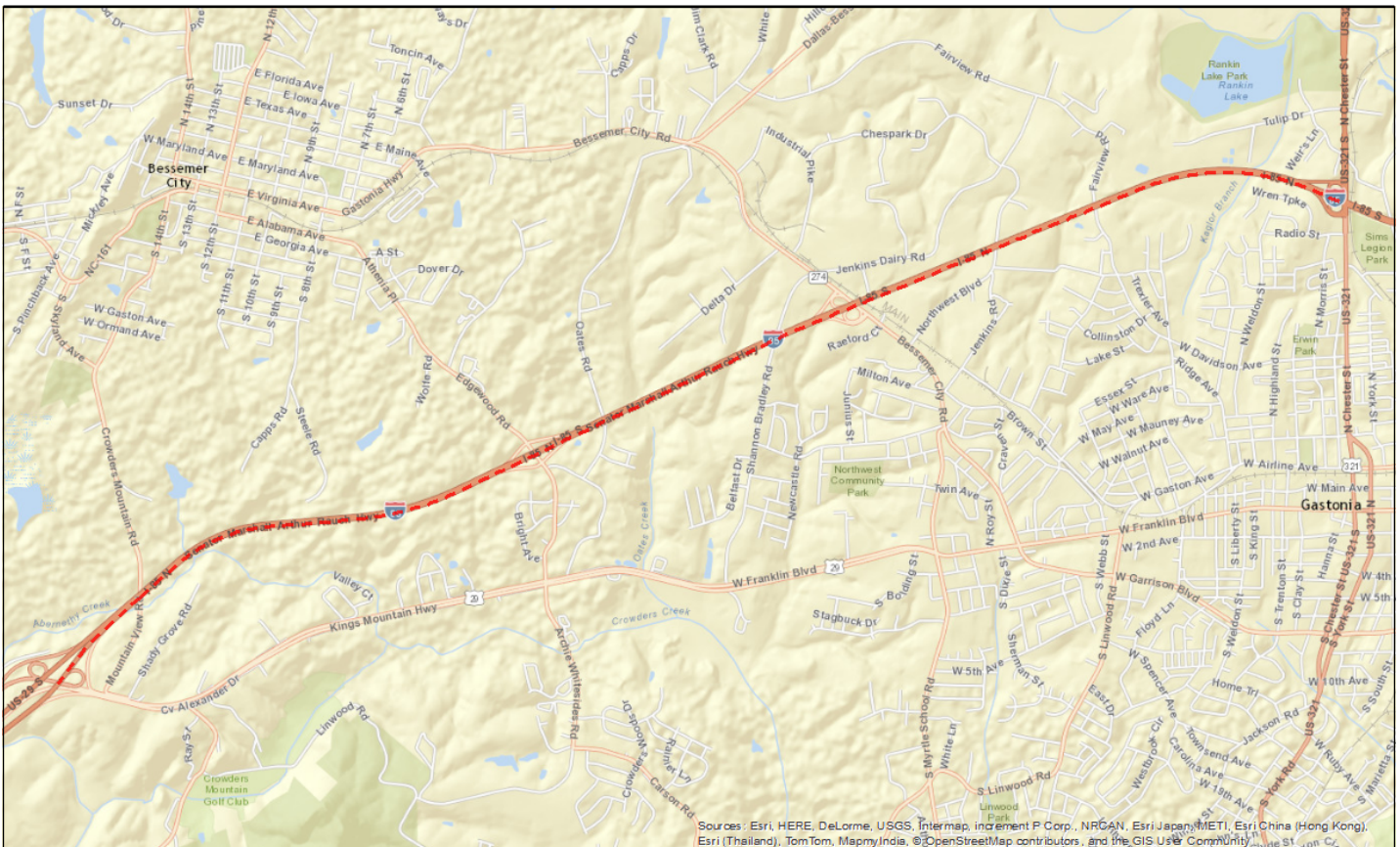
Widen from 6-lanes to 8-lanes.

Division(s): Division 12

County(s): GASTON

MPOS(s)/RPO(s): Gaston-Cleveland-Lincoln MPO

Project Location



Statewide Mobility Total Score: 43.56

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	74.95	N/A	N/A
Safety (10%)	53.79		
Economic Competitiveness (10%)	32.01		
Multimodal + [Freight & Military] (20%)	58.95		
[Travel Time] Benefit/Cost (30%)	2.36		
Totals: Weight: 100% Weighted Score: 43.56			

Regional Impact Total Score: 36.95

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%)	74.95	Percent: 15% Points: 0	Percent: 15% Points: 45
Safety (10%)	53.79		
[Travel Time] Benefit/Cost (25%)	2.36		
Accessibility / Connectivity (10%)	54.91		
Totals: Weight: 70% Weighted Score: 30.2			

Division Needs Total Score: 20.84

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	74.95	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%)	53.79		
[Travel Time] Benefit/Cost (20%)	2.36		
Totals: Weight: 50% Weighted Score: 20.84			

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	60
Length (miles):	6.92
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	76358.86
Capacity:	103173.44
Volume/Capacity Ratio:	0.74
% Autos:	85%
% Trucks:	15%
Truck Volume:	11790.85
Crash Density:	53.88
Crash Severity:	65.91
Critical Crash Rate:	41.59
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	96
Actual Congested Speed:	63.52
Travel Time Index:	0.94

Project Benefits

Project Cross-Section:	8B - 8 Lane Divided (27' Median with Jersey Barrier with Paved Shoulders)
Speed Limit:	65
Length (miles):	6.92
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	12568149.7
Travel Time Savings for 30 Years (Autos):	10627456.45
Travel Time Savings for 30 Years (Trucks):	1940693.25
Long-Term Employment:	224.48
% Change in Economy:	0.00041571
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 12

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 12	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Gaston-Cleveland-Lincoln MPO	100%	45	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		45	0

Project Cost and Source

Construction Cost:	\$118,235,000	Cost Estimation Tool
Right-of-Way Cost:	\$5,580,000	Cost Estimation Tool
Utilities Cost:	\$670,000	Cost Estimation Tool
Total Project Cost:	\$124,485,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$124,485,000	